

To: R8EISC[R8EISC@epa.gov]
From: Kyle Rost
Sent: Mon 8/10/2015 6:46:09 AM
Subject: Gold King Remediation

I am sending you this note about a fix for the heavy metal content in the Gold King Mine spill. The Denver Post mentioned that a remedy is needed for the toxic metal content in the spill. Perhaps you would like to know that a solution is available.

A Colorado chemical engineer, Robert Alldredge, developed a product that removes heavy metals from water. It is a chemical species, a ligand, that is specific for removing heavy metals; and it has been modified to extract a few other metals, i.e., copper, as well. This product, known as Octolig, has been used in several remediations. Robert worked with university professors to develop and refine Octolig's capabilities. Professor Emeritus Dean F. Martin at the University of South Florida has conducted research projects with Octolig and published numerous technical articles on it. Some of these can be found on the Internet. When I read about the spill, Octolig was my first thought because its removal capabilities match the content of the Gold King spill.

Robert Alldredge was one of our country's most brilliant scientists. During WWII, he worked on the Manhattan Project and is credited with co-inventorship of the trigger to the Nagasaki bomb. After the war, Robert turned to civilian pursuits. Octolig was a late-in-life project and was one of his final interests. Today Octolig it is available from a licensee, Papsco Filtration, Cleveland, Ohio. I believe it is an answer for many people near the Animas river, particularly where the Post article mentioned contamination in wells. Clearly no one can filter a massive spill in a flowing river, but people do not have to be poisoned by peripheral contamination.

Please feel free to share my thought about Octolig with anyone who might have interest.

Best regards,

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